

Invention description to certificate of authorship.

The way of investigation of radiation time structure of optical quantum generator.

(11) 532304

(51) H 01 S 3/101

(53) 621.375.8 /088.8/

(22) Announced 09.07.74

(21) 2043031/25

Inventors: G. Altshuler, V. Karasev, K. Krilov, V. Serebryakov and S. Sharlay.

Invention claims: Way of investigation of radiation time structure of the optical quantum generator by force of registration of optical image allotment by the environment with a nonlinear index of refraction varying under operation of additional intensive pulse of radiation, distinguished of subjects, that, with the purpose of rise of a time resolution, moment of passing through the nonlinear environment of researched radiation will clock with the moment of the termination of operation of additional intensive pulse of radiation, and the allotment received at the expense of relaxation of a nonlinear index of refraction.